

WHAT IS CLAIMED IS:

1. A molding system for use in producing a solidified article having a predetermined composite pattern formed of at least two kinds of viscous fluids distinct from each other in
5 color, said system comprising:

a first nozzle having opposing first and second ends and at least one first discrete passage per each of said viscous fluids for separately guiding throughout an entire length of said nozzle each of the viscous fluids, said each of the
10 viscous fluids having been measured separately to have a predetermined amount,

each of said first discrete passages having at least one first discrete passage inlet formed in said first end of said first nozzle and at least one first discrete passage outlet formed in said second end of said nozzle, each of said at
15 least one first discrete passage outlet discharging said viscous fluid guided through the first discrete passage,

said first discrete passage outlets being arranged on a single plane defined by the second end of the first nozzle.

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2. The molding system as claimed in claim 1 wherein an arrangement of said first discrete passage inlets in said first end of said first nozzle and an arrangement of said first discrete passage outlets in said second end of said
25 first nozzle are relatively different from each other.

3. The molding system as claimed in claim 1 further comprising:

a second nozzle having opposing first and second ends and at least one uniting passage communicating with said first discrete passage outlets discharging at least two kinds of the viscous fluids among all of said first discrete passage outlets of the first nozzle, said at least one uniting passage each having at least one uniting passage outlet formed in said second end of said second nozzle.

10 4. The molding system as claimed in claim 1 further comprising:

one of a unit mold and a conveyer for receiving all kinds of said viscous fluids discharged from said first nozzle.

15 5. The molding system as claimed in claim 3 further comprising:

one of a unit mold and a conveyer for receiving all kinds of said viscous fluids discharged from said second nozzle.

20 6. The molding system as claimed in claim 1 wherein said first discrete passage outlets are arranged in the second end of the first nozzle so that at least one first discrete passage outlet is surrounded by rest of the first discrete
25 passage outlets.

7. The molding system of claim 3 wherein said first discrete passage outlets are arranged in the second end of the first nozzle so that at least one first discrete passage outlet is surrounded by rest of the first discrete passage outlets.

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8. The molding system of claim 7 wherein said second nozzle further comprises:

at least one second discrete passage communicating with said at least one first discrete passage outlet of said first nozzle, said at least one second discrete passage each having at least one second discharge passage outlet for discharging said viscous fluid guided through said at least one second discrete passage.

15 9. The molding system of claim 8 further comprising a timing means for controlling timing for discharging the viscous fluids through said at least one uniting passage outlet and said at least one second discrete passage outlet of the second nozzle so that discharge of the viscous fluid through said at least one second discrete passage outlet starts later and ends earlier than discharge of the viscous fluids through said at least one uniting passage outlet.

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10. The molding system of claim 5 wherein said system
25 comprises said conveyer, and further comprises cutting means

for cutting said all kinds of said viscous fluids received on
the conveyer into pieces.

11. The molding system of claim 3 wherein said second nozzle
5 comprises a plate having at least one orifice therein for
passing the viscous fluids, said plate being disposed in the
middle of the uniting passage in a plane transverse to a flow
direction of the viscous fluids through the uniting passage.

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12. The molding system of claim 5 further comprising
rotatably driving means for rotating at least one of said
first nozzle and said second nozzle around an axis
perpendicular to the second end of the first nozzle.